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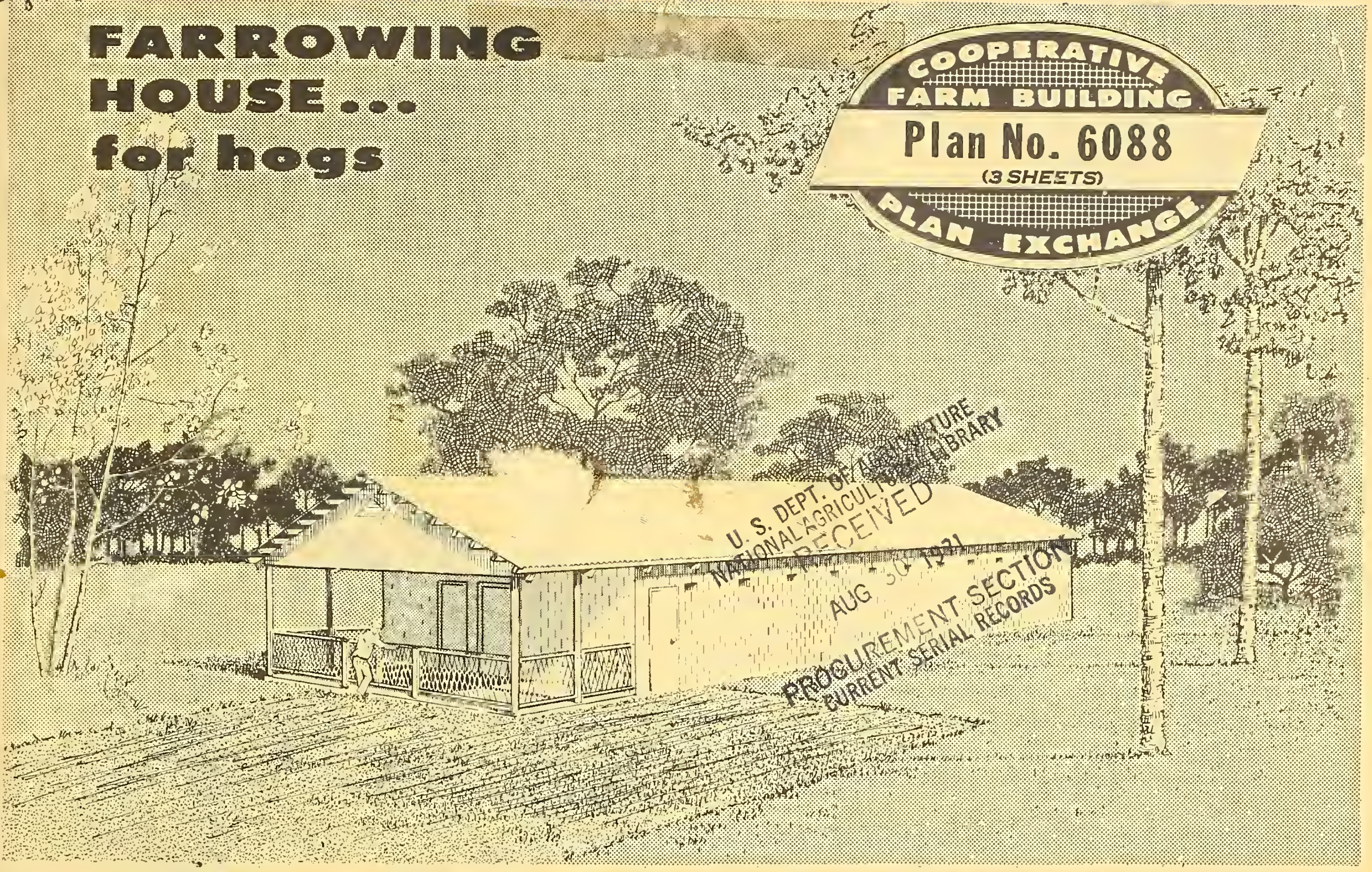
#1199

FARROWING HOUSE... for hogs

COOPERATIVE FARM BUILDING PLAN EXCHANGE
Plan No. 6088
(3 SHEETS)



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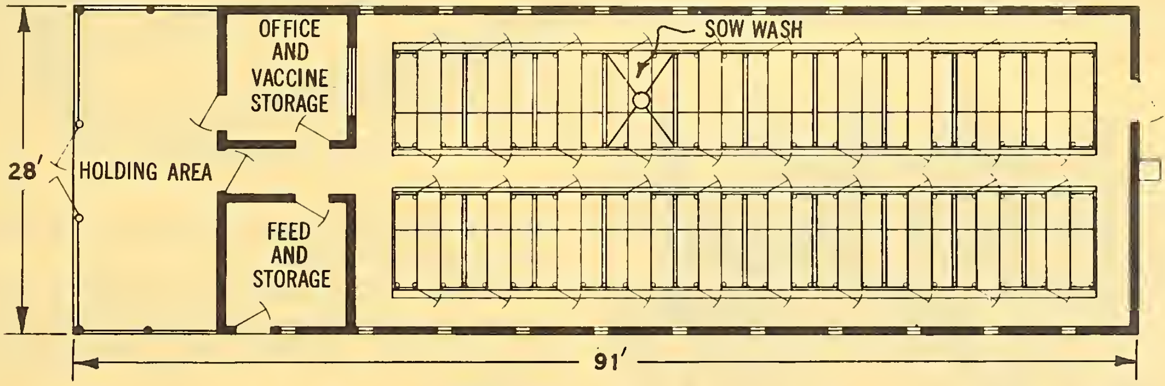

The plan for this farrowing house was designed at Auburn University, Auburn, Ala. The house will provide sanitary and comfortable shelter for the animals in mild climates and labor-saving advantages for the herdsman.

A 24,000 B.t.u. air-conditioning unit is installed on the exterior wall and is directly connected to a duct at ceiling level over the center aisle of the house.

The zone-cooling system has individually controlled cooling outlets at each pen. Cool air is piped downward to alleviate heat stress on the sow during the summer.

Four-inch-thick insulation is installed above the ceiling to reduce heat gain in hot weather and heat loss in cold weather.

The building is 28 feet wide and 91 feet long and contains 19 farrowing pens, a wash pen, feed and storage room, office and vaccine storage with laboratory, and a holding area.

The pens with creeps are arranged in a double row and are supported on a sloping, 4-inch-thick concrete slab.

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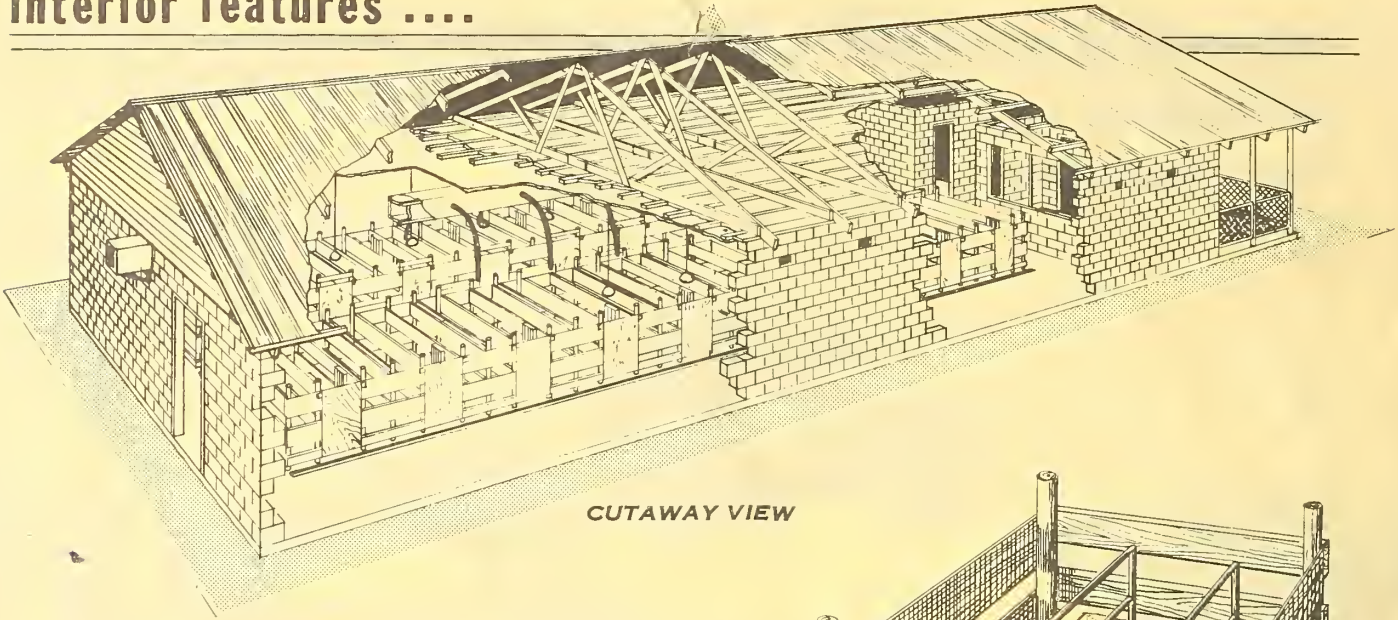
interior features ....



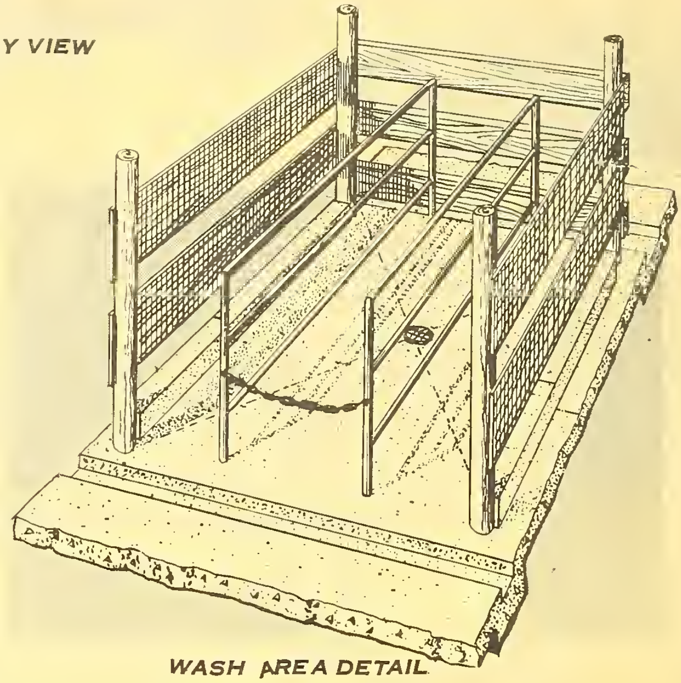
CUTAWAY VIEW

A trussed roof is used to eliminate the need for interior supports. Details for constructing trusses are included in the working drawings. However, commercially fabricated trusses are suitable, widely available, and may be substituted. Consult your county agricultural agent or State extension agricultural engineer for information regarding the load-carrying requirements for trusses in your area.

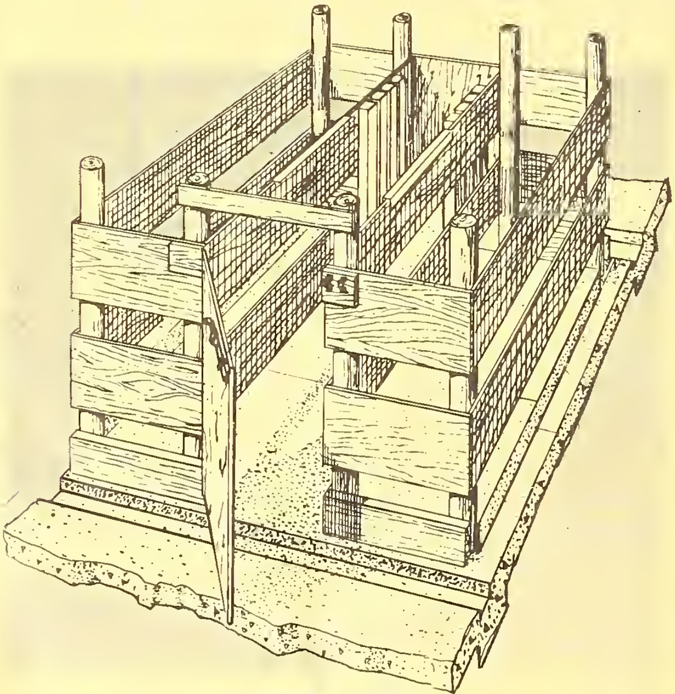
Sheet metal roofing with 1½-inch corrugations is supported by 2- by 4-inch purlins spaced not more than 24 inches on centers. Roofing sheets, 16 feet long, will extend from the ridge to the eave—thus eliminating end lapping of the sheets.

The base and top courses of concrete blocks in the exterior walls are filled with concrete. The intervening courses of block are filled with a waterproof type of insulation.

Infrared lamps are used to provide supplementary heat in the farrowing pens for the baby pigs.



WASH AREA DETAIL



TYPICAL PEN

Complete working drawings may be obtained from the extension agricultural engineer at your State university. There may be a small charge to cover cost of printing.

If you do not know the location of your State university, send your request to Agricultural Engineer, Extension Service, U.S. Department of Agriculture, Washington, D.C. 20250. He will forward your request to the correct university.

ORDER PLAN NO. 6088, FARROWING HOUSE FOR HOGS.

Agricultural Engineering Research Division AGRICULTURAL RESEARCH SERVICE

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